

Amendments to the Specification

*On page 1, please replace the paragraph beginning line 1, with the following amended paragraph:*

--The present invention concerns a method for authenticating objects or substances using chemical marking or tracing. It applies more particularly but not exclusively to the fight against counterfeiting, to automatic sorting[...] and also to make quality control and to have traceability of materials including recycled materials.--

*On page 5, please insert the following paragraph before the paragraph beginning line 25, as follows:*

--Reading of identification code as well as authentication code can be done simultaneously at several levels with the manufacturer signature and an identification of the type or the grade of the material.--

*On page 5, please insert the following paragraph after the paragraph beginning line 25, as follows:*

--In this method the coding and identifying steps can be coupled to pattern recognition step.--

*On page 10, please replace the paragraph beginning line 3, with the following amended paragraph:*

- o ~~fenestration~~ windowing in relation to the wavelength ranges indicated in the authentication data stored in memory and extracted through identification of the bar code, so as only to give consideration to the presence of absence or rays characteristic of the markers, which then determines a readout code (block 5),